



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Chalana et al.

Attorney Docket No. DXUC-1-1021

Serial No.: 10/633,186

Group Art Unit: 3737

Filing Date: July 31, 2003

Examiner: —

Title: IMAGE ENHANCEMENT AND SEGMENTATION OF STRUCTURES IN 3D
ULTRASOUND IMAGES FOR VOLUME MEASUREMENTS

**TRANSMITTAL LETTER FOR INFORMATION DISCLOSURE STATEMENT
TO THE COMMISSIONER OF PATENTS:**

Pursuant to 37 C.F.R. § 1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information related to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. § 1.56(b).

In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required.

Copies of references listed on the attached Form PTO-1449 are enclosed herewith, along with a return receipt postcard.

Respectfully submitted,

BLACK LOWE & GRAHAM^{PLLC}

Mark D. Byrne
Registration No. 50,125
Direct Dial: 206.957.2481



25315

PATENT TRADEMARK OFFICE

- 1 -

Document2

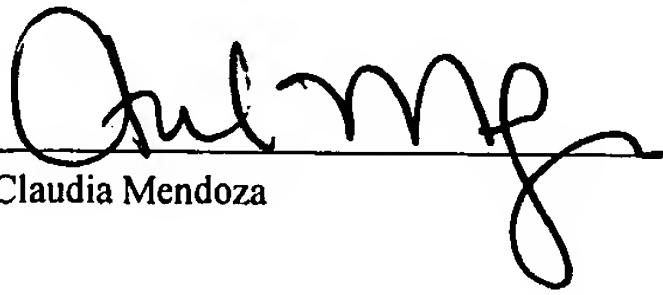
BLACK LOWE & GRAHAM^{PLLC}

701 Fifth Avenue, Suite 4800
Seattle, Washington 98104
206 381 3300 • F. 206 381 3301

MAIL CERTIFICATE

I hereby certify that this communication is being deposited with the United States Postal Service via first class mail under 37 C.F.R. § 1.08 on the date indicated below addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

11/17/03
Date of Deposit


Claudia Mendoza




25315
PATENT TRADEMARK OFFICE

- 2 -

Document2

BLACK LOWE & GRAHAM^{PLLC}


701 Fifth Avenue, Suite 4800
Seattle, Washington 98104
206 381 3300 • F: 206 381 3301



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) Sheet 1 of 1		Complete if Known	
		Application Number	10/633,186
		Filing Date	July 31, 2003
		First Named Inventor	CHALANA, Vikram
		Group Art Unit	3737
		Examiner Name	
		Attorney Docket Number	DXUC-1-1021

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	1	E.F. MAGANN et al. , Ultrasound estimation of Amniotic Fluid Volume Using the Largest Vertical Pocket Containing Umbilical Cord: Measure to or Through the Cord?, Ultrasound Obstet Gynecol 2002; 20: 464-467	
	2	GRAMELLINI et al. , Sonographic Assessment of Amniotic Fluid Volume Between 11 and 24 Weeks of Gestation: Construction of Reference intervals Related to Gestational Age, Ultrasound Obstet Gynecol 2001; 17: 410-415.	
	3	MANN et al. , Novel Technique for Assessing Amniotic Fluid Volume Use of a Three-Dimensional Bladder Scanner, The journal of Maternal-Fetal Medicine 9:308-310 (2000)	
	4	GROVER et al. , Three-Dimensional Method for Determination of Amniotic Fluid Volume in Intrauterine Pockets, Obstetrics and Gynecology 1997; 90, No. 6: 1007-1010	
	5	CHENG et al. , Boundary Extraction Method for Three Dimensional Ultrasonic Echo Imaging Using Fuzzy and Relaxation Techniques, TNE 1993 IEEE, Nuclear Science Symposium: Medical Imaging 10/30-11/06/93: PT 3, 1610-1614.	
	6	ROSS, Michael G. , Am J. Obstet Gynecol August 1993: Vol 169, No. 2: 435-437.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.